



- ◆ The extinguishing system control UE-03 is used for control and monitoring of single range extinguishing systems.
- ◆ The UE-03 can be configured for a wide range of applications, including fast HRD systems to foolproof CO2 systems with two-line dependency and alarm buffer, by setting the jumpers
- ◆ Three monitored sensor lines are available.
Two monitored sensor ranges with alarm buffers that can be switched on enables switching to two line dependency for automatic sensor or in two independent lines. Independent of this the one-person revision can be performed.
The third monitored sensor range is preferably designed for manual tripping
- ◆ Connection of all sensors from Brandtronik GmbH and numerous other brands in two- and four-wire technology
- ◆ Two monitored outputs for warning and extinguishing
- ◆ **Relay outputs for:** Fault, prealarm, alarm and system off

Technical data:			
Single range extinguishing system UE-03			
Operating voltage	115 V~/230 V~/24 V=	Output warning:	
Operating current at 230V~	approx. 80mA	Monitoring current	5 mA
		Operating current	< 1A
Power supply 24 VDC, Load:		Short circuit range	0Ω...22Ω
2A	max. 10 min.	Operating range	25Ω...1,5kΩ
1A	max. 2 h	Open circuit range	> 2,5kΩ
0.5A	unrestricted		
		Extinguisher output:	
Rechargeable battery:		Monitoring current	5 mA
installed	24 V/2,3 Ah	Operating current	1A (2A for 2 min.)
external	max. 24V/20Ah	Short circuit current	2.2A for 5s
Undervoltage shutoff	< 21V	Short circuit range	0Ω...22Ω
		Operating range	25Ω...1,5kΩ
Dimensions	290 x 220 x 150mm	Open circuit range	> 2,5kΩ
Weight without rechargeable battery	3kg		
Temperature range	0...+50°C	Extinguishing time	unrestricted
Housing safety class	IP65	Extinguisher delay	0...40 s
		Short circuit monitoring	can be switched off
Relay outputs:			
Fault, potential-free changeover contact	1x 30 V=/1A	Options:	
Prealarm, potential-free changeover contact:	1x 30 V=/1A	- Version for 400V~ available UE-03.400VAC	
	1x 230 V~/2 A	- Version with plug connectors (binder type) available UE-03.S	
Alarm, potential-free changeover contact:	2 x 30 V = / 1 A		
	1x 230 V~/2 A		
contact	1x 30 V=/1A		
Alarm line L1, L2, L3:		Special features:	
Line voltage	24 VDC	- All latching for the sensor ranges, prealarm and alarm can be switched separately	
Line terminal resistor	4k7	- Reaction time of the activation of the sensor line until the activation of the extinguishing system switchable 4 ms / 100 ms	
Sensor current	< 2mA	- External connection for resetting the system	
Short circuit range	0Ω...120Ω	- External connection for system shutdown	
Alarm range	180Ω...900Ω	- Delay of the fault indicator rechargeable battery or power failure can be set to 10s, 100s, or 1000s	
Operating range	1,5kΩ...7kΩ	- Status indicator of the central system via LED on the front plate	
Open circuit range	> 10kΩ	- Control elements on the front plate: Isolator, confirmation buzzer/horn, Reset	
Alarm buffer L1/L2:			
Alarm delay	10 s		
Alarm gate	10 s		
Reaction time	4 ms / 100 ms		